

APR 25 2007

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**FACSIMILE TRANSMISSION COVER SHEET**

DATE: April 25, 2007

TO: U.S. Patent and Trademark Office  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

EXAMINER: Russell Scott NEGIN, Group Art Unit: 1631

RE: U.S. Patent Application No. 10/660,110  
For: System and Method for Extending  
Dynamic Range of a Detector  
Our Ref.: 5010-406

FROM: Leonard D. Bowersox

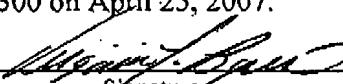
FAC. NO.: (571) 273-8300

**NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 7**

Papers Filed Herewith: Transmittal Form (1 Page)  
Submission of Revocation of Power of Attorney  
and New Appointment (2 Pages)  
Revocation and New Appointment, Including  
Certification Under 37 C.F.R. §3.73(b) (2 Pages)  
Copy of Limited Authorization (1 Page)

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (571) 273-8300 on April 25, 2007.

Virginia J. Byers  
Printed Name:

  
Signature

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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TRANSMITTAL  
FORM

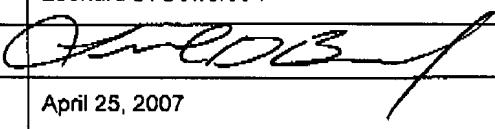
(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/660,110
		Filing Date	September 11, 2003
		First Named Inventor	Mark F. OLDHAM
		Group Art Unit	1631
		Examiner Name	Russell Scott NEGGIN
Total Number of Pages in This Submission	6	Attorney Docket Number	5010-406

## ENCLOSURES (check all that apply)

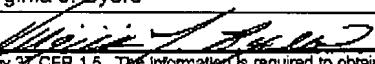
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Acknowledgement Postcard
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	  Submission of Revocation of Power of Attorney and New Appointment
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s)	 Limited Authorization to Act on Behalf of Assignee
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> After Allowance Communication to Group	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks Customer No. 35411	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Leonard D. Bowersox		
Signature			
Date	April 25, 2007		

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (571) 273-8300 on April 25, 2007.

Type or printed name	Virginia J. Byers		
Signature		Date	April 25, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

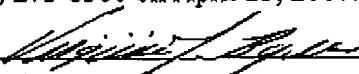
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Virginia J. Byers

Name of Person signing Certificate

  
Signature

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.	:	10/660,110	Confirmation No.: 6842
Applicants	:	Mark F. OLDHAM et al.	
Filed	:	September 11, 2003	
TC/A.U.	:	1631	
Examiner	:	Russell Scott Negin	
Docket No.	:	5010-406	
Customer No.	:	35411	

**SUBMISSION OF REVOCATION OF POWER OF ATTORNEY  
AND NEW APPOINTMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

April 25, 2007

Sir:

The assignee of the above-identified application herewith submits a Revocation of Power of Attorney and New Appointment for the application listed above. The document revokes all previous powers of attorney and appoints the undersigned representative and the other representatives listed to transact all business in the U.S. Patent and Trademark Office in connection with the application. Thus, it is respectfully requested that all future communications from the U.S. Patent and Trademark Office be directed to or addressed to the new phone number and address set forth in the document. Also submitted herewith is a copy of a Limited Authorization document that authorizes Phil N. Makrogiannis to execute the new power document on behalf of the Assignee, Applera Corporation.

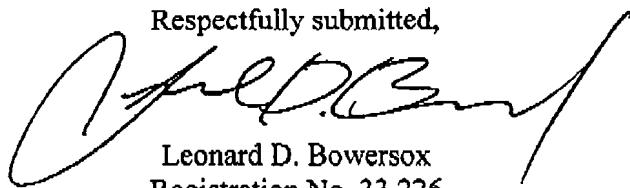
Submission of Revocation of Power of Attorney and New Appointment  
U.S. Patent Application No. 10/660,110

Page 2

Should any fees be due in connection with the filing of this new Power of Attorney,  
please charge such fees to USPTO Deposit Account No. 50-0925.

Should any official at the U.S. Patent and Trademark Office deem that any further action  
is necessary in connection with the new appointment of legal representation, the appropriate  
official is invited to telephone the undersigned at the number set forth below.

Respectfully submitted,



Leonard D. Bowersox  
Registration No. 33,226

KILYK & BOWERSOX, P.L.L.C.  
3603-E Chain Bridge Road  
Fairfax, VA 22030  
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Enclosures: Transmittal Form  
Executed Revocation and New Appointment, Including Certification  
Under 37 C.F.R. §3.73(b) (2 Pages)  
Copy of Limited Authorization

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.	:	10/660,110	Confirmation No.:	6842
Applicants	:	Mark F. OLDHAM et al.		
Filed	:	September 11, 2003		
TC/A.U.	:	1631		
Examiner	:	Russell Scott NEGIN		
Docket No.	:	5010-406		
Customer No.	:	35411		

**REVOCATION OF POWER OF ATTORNEY AND NEW APPOINTMENT  
INCLUDING CERTIFICATION UNDER 37 C.F.R. §3.73(b)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I am an official of Applera Corporation, the named Assignee of the entire right, title, and interest in and to the above-identified U.S. Patent Application and the invention thereof. Ownership of the U.S. Patent Application and the invention thereof is evidenced by the assignment document recorded at Reel 014303, Frames 0112-0115, of the U.S. Patent and Trademark Office (USPTO) Assignment Branch records, which conveys the entire right, title, and interest in and to the above-identified U.S. Patent Application and the invention thereof, to Applera Corporation. To the best of my knowledge and belief, the Assignment of rights to Applera Corporation remains in full force and effect.

I am empowered to act on behalf of Applera Corporation as evidenced by the attached Limited Authorization to Act and hereby revoke all previous Powers of Attorney in connection with the above-identified U.S. Patent Application and appoint the following attorneys to transact all business in the U.S. Patent and Trademark Office connected therewith: Scott R. Bortner, Reg. No. 34,298; Andrew K. Finn, Reg. No. 54,097; Jeffery D. Frazier, Reg. No. 34,601; Phil N. Makrogiannis, Reg. No. 47,766; Kristin L. Menon, Reg. No. 56,869; Hugh J. Pasika, Reg. No.

U.S. Patent Application No. 10/660,110  
Revocation of Power of Attorney and New Appointment

54,362; Kirk E. Pastorian, Reg. No. 48,756; Leonard D. Bowersox, Reg. No. 33,226; and Duke A. Kilyk, Reg. No. 33,251.

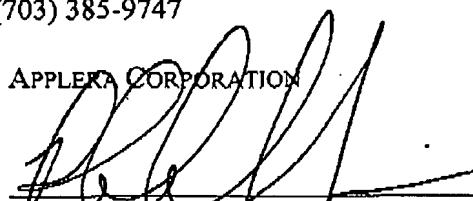
Please direct all telephone calls in connection with the U.S. Patent Application to Leonard D. Bowersox at telephone no. (703) 385-9688.

The Commissioner is requested to address all other correspondence in connection with the U.S. Patent Application to:

Leonard D. Bowersox  
Registered Patent Attorney  
KILYK & BOWERSOX, P.L.L.C.  
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Fairfax, VIRGINIA 22030  
Tel.: (703) 385-9688  
Fac.: (703) 385-9719  
Fac.: (703) 385-9747

Date: 24 APR 07

By:

  
APPLEKA CORPORATION  
Phil N. Makrogiannis, Esq.  
Patent Attorney

Enclosure: Limited Authorization to Act On Behalf of Assignee  
Regarding Certain Patent and Trademark Matters  
Effective Through: December 31, 2009

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**LIMITED AUTHORIZATION TO ACT ON BEHALF OF ASSIGNEE  
REGARDING CERTAIN PATENT AND TRADEMARK MATTERS**

**EFFECTIVE THROUGH: December 31, 2009**

\*\*\*\*\*  
I, William B. Sawch, as Senior Vice President and General Counsel of Applera Corporation ("Applera"), hereby authorize the following patent attorneys:

Scott R. Bortner, Reg. No. 34,298  
John W. Burns, Reg. No. 43,520  
Brian D. Gildea, Reg. No. 39,995  
Jeffery D. Frazier, Reg. No. 34,601  
Andrew T. Karnakis, Reg. No. 27,909  
Phil N. Makrogiannis, Reg. No. 47,766  
Kristin L. Menon, Reg. No. 56,869  
Vincent M. Powers, Reg. No. 36,246  
Lin Sun-Hoffman, Reg. No. 47,983

(1) to act on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark entities, (2) to execute power of attorney documents on behalf of Applera, to appoint and/or establish any attorneys, agents, and/or law firms to act on behalf of Applera, in any foreign or international patent or trademark applications filed with any foreign and/or international patent or trademark offices, and (3) to execute assignment and ownership documents on behalf of Applera, with regard to any matters before the United States Patent and Trademark Office, any foreign patent or trademark offices, and any international patent or trademark offices.

William B. Sawch  
William B. Sawch  
Senior Vice President and General Counsel,  
Applera Corporation

Feb. 20, 2007  
Date

State of Connecticut  
) ss.  
County of Hanfield)

On Feb. 20, 2007 before me, KATHLEEN A. O'GARA, Notary Public, personally appeared William B. Sawch, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Kathleen A. O'Gara  
Notary Public  
KATHLEEN A. O'GARA  
NOTARY PUBLIC  
MY COMMISSION EXPIRES MARCH 31, 2008

64729-1

Mar. 30, 2008